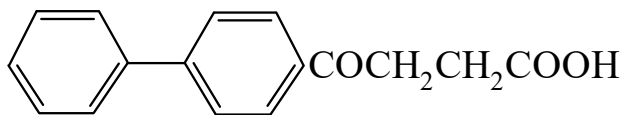




>>Entry Name: **4-(4-Biphenyl)-4-oxobutanoic acid**

Synonym(s): γ -Oxo-[1,1'-biphenyl]-4-butanoic acid, 9CI. 3-(4-Biphenylcarbonyl)propionic acid. **Fenbufen**, BAN, INN, JAN, USAN. Lederfen. Bufemid. Cinopal. Apam. Bifene. Cybufen. Napanol. CL 82204. Many other names



CAS Registry Number: 36330-85-5

Molecular Formula: C₁₆H₁₄O₃

Molecular Weight: 254.285

Accurate Mass: 254.094295

Percentage Composition: C 75.58%; H 5.55%; O 18.88%

Use/Importance: Antiinflammatory, antipyretic agent, analgesic

Physical Description: Cryst. (MeOH)

Melting Point: Mp 185-187°

Calculated Log P Data: Log P 3.11 (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 200-700 mg/kg. LD₅₀ (rat, ipr) 265-575 mg/kg. Skin rashes often reported

Rare Chemicals Library: S87691-7

Sigma: F8755

>>Derivative: Et ester

CAS Registry Number: 1230-54-2

Molecular Formula: C₁₈H₁₈O₃

Molecular Weight: 282.338

Accurate Mass: 282.125595

Percentage Composition: C 76.57%; H 6.43%; O 17.00%

Melting Point: Mp 100°

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